

Choboji 1916  
Choboji 1918  
Woodbine "  
Quaba "  
Waverly "  
Olin "  
Winterset "  
Pella "  
Ames-Chelsea "  
Pittsburgh "  
Duff Park "  
Chester "  
Independence "  
Downey "  
Choboji I "



2  
8 packages

1916  
Shoboji - Sep. 29 - Friday  
Left at 9<sup>30</sup> PM. for  
Cedar Rapids, with  
W. Rogers.

Sep. 30 - Sat. 1916

Reached Spirit Lake  
at about 8<sup>30</sup> AM. Took  
a single horse from  
Deibner's Livery.

He charged me \$2.00 per day.

The day was cold &  
windy.

We started E. across  
draw bridge & then  
followed lake line  
south.



Started along E. side of  
E. Ohio St at 9 am  
Stopped at first large  
creek & walked down  
creek & diatom on E.  
side of road, & then West  
side.

Red oak 1 in 1/6 in in  
diameter & stands on bench  
above bank. It is  
surrounded by smaller  
trees, *Lilium*, *Ostrya*, &  
smaller oaks.

Took leaves - 1(a) from  
lower part & 1(b) from  
upper.

Went across 1 - Red Oak.  
They are broad.

Red oak 2 - has narrow  
acorns. It is near  
1, one-sided because of  
it, & 9 - in in diameter  
leaves 2(a) are from

lower part & 2(b) from upper.

Red Oak no 3 is still on  
bench, but near where gentle  
slope begins to slope  
S. of creek.

It is 20 in in diameter &  
is more or less isolated  
much of this has been  
thinned out.

Across small  
3(a) are lower trees &  
3(b) are upper  
Lower trees here also exposed  
as no trees near.

Drove to Warner's Chapel  
Photo 33, 34 - Looking E. across  
Prairie Lake.

Photo 5 - N. end of Prairie Lake  
along - Muskrat house

Photo 16 - S. end of Prairie Lake  
(J. Hoyle) Warner's Chapel

Photo 11 - Church - looking NE  
2 - looking E. & N. 2 little holes  
99-36.



Drove on to Arnold  
Park

Red Oak no. 4 in  
in front of 2<sup>nd</sup> store  
west of front N. & S. road  
W. of upper bar lake &  
on N. side of E. & W.  
road.

Diam. = 19 in.

Beach



Put up home for  
feed & walked to Green  
Beach, now abandoned.  
Returned to home &  
drove to Green Park.  
Found Plumbago only  
in one Prunus virginiana  
Saw plenty of Amelanchier  
& some smaller sizes of  
Plumbago (also) but  
none fresh.

Very scarce this year.

The Green Park beach  
is deep & brown.

Drove to Laboratory  
put horse in Livingston barn  
& spent up evening.

Took supper & following  
meals at Livingston.

Slept in my old room  
in cottage.



Oct. 1, 1916 - Sunday.  
Arose at 6<sup>30</sup>, but  
did not get started  
until 7<sup>45</sup>.

We drove west 1/4 mi  
from mail box & then  
S. I checked some  
mammals.

Everything is brown,  
but *Aster multiflorus*, *Aster*  
*laevis*, *Aster sericeus*  
& *Gentiana puberula*  
were at their best.

All over the  
landscape the  
native pebbles in  
gravelly ridges &  
also showed the  
red of *Andropogon*.

Drove to hillside by  
E. of bridge & under  
banks for mammals.

The south slope of  
the valley in woods,

chiefly with Green Ash,  
Box elder, *Ostrya* & *Bassora*.  
*Salix cordata* <sup>missouriensis</sup> var. is  
everywhere in clumps in  
the bogs.

Collected lichens & *Taraxacum* on  
barrenwood, & mosses on banks &  
rocks. Also land shells  
under sticks.

Then collected *Cedrus* &  
*brunzi* on *Salix cordata* var.

One *Salix* has very narrow  
leaves. (See specimen)

Saw a water thrush  
(In the morning great flocks  
of dark-winged Teal flew from  
Spirit Lake where they are  
said to roost on water. They scatter  
over fields - thousands of them.)

✓ Photo 7, Looking up Bog creek  
to left - no moss, barrens,  
Green ash, Box elder

✓ Photo 8 - Clump of *Salix cordata* var.  
also by grass, *Phragmites communis*



Plots 9 & 10 - Looking up  
Bay creek - further away  
Clump of willow at  
right in fore = No. 8

Crossed Little Sioux  
to E. side & looked at  
prairie slopes - Saw.

*Castilleja mini lobata*

" *Brunneria*

" *Nelumbo scaberrima*

*Aster spicatus*

*Gentiana puberula*

*Bouteloua hirsuta*

*Liatris punctata*

*Solidago nemoralis*

Collected lichens, etc. in  
willow grove S. of E. & W.  
road & just E. of No. 5  
road down which I came

Returned after 2 PM,  
took dinner & went to  
Miller's Hotel dock to  
look for Bridget Beckie  
McKinney was with us.  
Found flowers all through.  
Plants very little.

Went to see Pt. Found  
*Wolffia* still, very  
abundant in Dickinson's  
slough.

Collected a *Chroococcoides* in  
canal.

Threatened storm most  
of afternoon, but it  
did not amount to  
much even at night.  
Pressed plants &  
retired about 11 PM.



Oct. 2, 1916 - Monday

Rogers went to Canal, I packed  
& collected burials. Started at

Photo 5 - Looking S. at  
Fish Lake

Photo 6 - Looking down  
on the S

Photo 9 - Outlets of  
Spirit Lake (dry)  
looking N.

Photo 10 - Looking E. along

Spirit Lake beach

Photo 23 - Looking S. along  
Ocean beach

Photo 24 - Looking N.E.

Photo 7 - W. of N. across

Spirit Lake  
from dock

Photo 8 - North - Fish Lake

Photo 31 - Salt - Upper E. Okoboji

Photo 22 - N. beach E. Okoboji  
Looking E.

Afternoon cloudy.

Returned at 5<sup>30</sup> & put  
up at The Antlers  
Hotel.

1 P.M. & drove N. around  
head of lake.

Many *Cypripedium* were  
all cut.

Stopped at head of lake  
& found some *Utricularia*  
with long terminal buds, -  
no fls or fruit.

Then drove to Emerson's  
bay & found stuff in  
little canal all dead.  
Drove E. on some S. of  
Center Lake. Found that  
where my peculiar *Crataegus*  
*macracantha* grew there  
is a house!

Reached Spirit Lake  
at 3<sup>30</sup> & shipped  
two baskets, gun &  
drugs.

Took Rogers to depot, & then  
drove to Orleans.

Took photos.



Oct. 3, 1916 - Tues.

Left Spirit Lake for  
Vito, via Henderson  
& Manila.  
Day clear, but  
windy.  
Clear slides, etc.

Expenses  
 Sep. 29 - To Cedar Rapids .50  
 20 Spirit Lake 4.54  
 1 knife <sup>75</sup>, soda <sup>50</sup>, paper <sup>10</sup>  
 Horse-bus - Amherst Park .15  
 Oct. 2 - Mrs. Livingston 12 meals 3.60  
 Horse-bus 1.10  
 Express - dredge .35  
 1 Paper, water <sup>10</sup> <sup>2.50</sup> 1.60  
 Livery, Deibner, 3 days 6.00  
 Oct 3 - Hotel - room, bath <sup>1.25</sup> <sup>1.50</sup> 1.50  
 Pressing suits .75  
 RR to Vito 4.11  
 Bus .25  
 Dinner, en route .65  
 Breakfast, Hawson .50  
 25.65  
 5.20

RR, etc to Iowa City 25.60  
 8.83  
 34.43  
 2.13  
 32.30

23.51 235 7.83  
 33 4.70 5.70  
 7.08 2.13  
 7.73 + 1.00



.36  
8  
288

Account - May 10 - 14, - 1918

May 10 Car fare to Cedar Rapids .65  
 R.R. to Spirit Lake (4.84) 4.48  
 Sleeper " " (1.65) 1.50  
 May 11 - Breakfast en route .80  
 Geo. Miller - tax to Lab. 3.00  
 (Meredith)  
 May 12 - Seph Livingston - auto 1.00  
 " 13 - Antlers Hotel, Spirit Lake 1.00  
 R.R. to Rockwell City 1.64 1.75  
 Dinner Grand Hotel " " .60  
 R.R. to Woodbine 1.50 1.64  
 R.R. to Council Bluffs .72  
 May 14 R.R. to Cedar Rapids 1.15  
 Sleeper (Tourist) 5.26  
 R.R. to Iowa City  
 Breakfast, R.R. Cedar Rapids 35

27.15  
 3.30  
 23.85

.65  
 4.48  
 1.50  
 .80  
 3.00  
 3.64  
 2.10  
 .72  
 1.15  
 .35  
 8.76  
 27.15  
 53  
 8.76  
 5.26  
 3.30

263  
 5 1/2  
 789  
 87  
 876  
 263  
 2  
 526  
 8.76  
 5.26  
 3.30



Okolobi, Woodbine, etc

May 10 - 1918 - Friday  
Left at 9<sup>45</sup> PM. for Cedar Rapids  
Took sleeper.

May 11 - 1918 Saturday  
Awakened at Graceland.  
Things still look like early spring.  
Leaves on trees very small. Berberis  
in flower.

Along prairie beyond Estherville

I noticed in flower:

Emmet Co

<i>Oxalis violacea</i>	Rather common
<i>Lithospermum canescens</i>	Common
<i>Taraxacum</i>	few
<i>Lithospermum angustifolium</i>	few
<i>Viola pedatifida</i>	Common
<i>Astragalus caryocarpus</i>	Common
<i>Castilleja occidentalis</i>	Local
<i>Senecio</i>	Local
<i>Antennaria</i>	emeri "
<i>Pedicularis canadensis</i>	Local
<i>Zizia aurea</i>	one
<i>Anemone patens</i>	fr. "
<i>Agrostis exaristata</i>	few

all these west to top of  
grade.

Discinosa Co.

Towards Superior, & beyond, to  
Arlem, the following:

<i>Lithospermum canescens</i>	Common
<i>Ranunculus fascicularis</i>	Common
<i>Astragalus caryocarpus</i>	Common
<i>Anemone patens</i>	Common
<i>Zizia aurea</i>	few
<i>Pedicularis canadensis</i>	locally common
<i>Comandra</i>	local
<i>Viola pedatifida</i>	fragrant
<i>Taraxacum</i>	(again at Arlem, & beyond) Spind Lake
<i>Comandra</i>	local
<i>Antennaria neglecta</i>	"
<i>Oxalis violacea</i>	"
<i>Agrostis</i>	few
<i>Ranunculus</i>	(small ones)
<i>Ranunculus fascicularis</i>	local
<i>Senecio</i>	Local
<i>Rumex americanus</i>	near Orleans, one

Reached Spirit Lake at 8 am.  
Arranged with Miller to take  
me to the Lake.  
Visited Shrests.



Found Lab. in fair shape,  
but it seems to be running  
down some, though not as bad  
as last year.

Found *Dicentra* in bloom near  
pump-house, and on the  
prairie N. of mail-box.

*Pedicularis canadensis*

*Viola delphinoides* <sup>red</sup>

Antennaria

*Oxalis violacea*

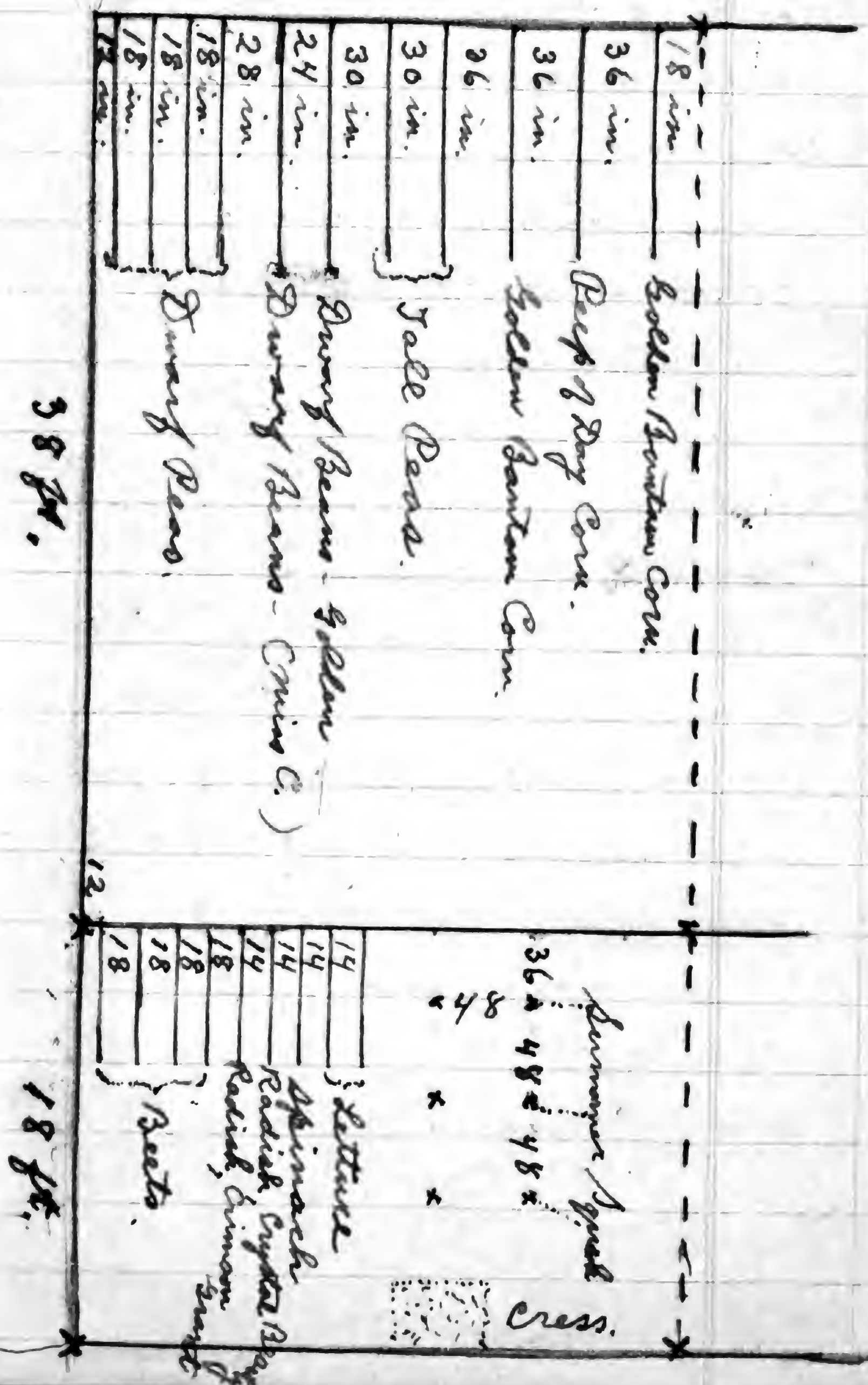
at Lake the little Cary  
stenophylla was in bloom

Livingstons gave me a  
piece of their garden, about  
about 25 x 56 ft.

about 22 x 36 ft.  
This was plowed and I  
cleared sod out.

In evening saw "The Beast  
of Berlin" at Wilford.  
Went to bed at 11<sup>30</sup>.

May 12, 1918 - Sunday.  
Worked in the garden all day. Planted following:





The bur oaks are mostly in flower, but the tree just N. of Ewers with tree is only in bud, with a little branch or two with small leaves.

After finishing garden work, I was taken to Spirit Lake by Mr. & Mrs. "Ceph" Livingston. Spent the night at the Antlers Hotel.

May 13, 1918 - Monday  
Left at 5:45 am. for Rockwell City. Took dinner at Grand Hotel in Rockwell City.

Left Rockwell City via Ice Cent. at about 12:45 pm. for Woodbine.

Met Mrs. John Hamill on train. Reached Woodbine after 3 pm. Met Mr. Irwin, etc.

Collected fine *Eymnophor. angustum* on a Cedar tree in town. Everything seems to be backward because of dry spell.

Put in work in evening, and spoke.

Spent night (with Mr. Henderson) at Mr. & Mrs. Dupree(?).

May 14, 1918 - Tues.  
Left at 7:36 am. and reached Council Bluffs at 8:45. Took into urban to Omaha.

Did asp. at the Paston & went to temple.

Met many Star members, & attended day & evening.



arrival. We were formally  
 presented. about 18 or  
 twenty Iowa Grand Officers  
 were present.  
 Left at 9:40 for  
 Council Bluffs &  
 Cedar Rapids.

May 17 - Friday  
 attended County  
 Commencement at Waverly  
 but storm prevented me  
 from getting out.  
 This was for Miss May  
 Francis, Co. Sup't.

May 21, 1918 Tues.

Went to Olin, Ia. to  
 talk to Henry & E. Stans.  
 Loyalty meeting.

Tractor coming west went  
 along R.R. & picked up  
 prairie flowers.

Antennaria	Com.
Dodecatheon	Few.
Lithospermum	common
Phlox pilosa	common
Hypoxis hirsuta	common
Blue-eyed grass	"
Ranunculus macranthus	(loc. prairie common)



*Potentilla canadensis* com.  
*Viola hastata* "  
 " *pedatifida* "  
 " *crucellata* (1/2) "  
*Aedicularia canadensis* local.  
*Fragaria virginiana* com.  
*Poa serotina* "  
 " *compressa* "  
*Draba* - in mud filled "  
*Rumex acetosella* com.  
*Hemlockia hispida* com.  
*Lespedeza pennsylvanica* (com)

May 22-1918

Went out east along  
RR & found:

*Transectia* com.  
*Scrophularia leporella* com.  
*Anemone pennsylvanica* com.

all in flower & all collected.



Account - Wintered, Pella, Chelso

May 23. Iowa City - Taxi	8.25	
RR. to Des Moines	2.61	
Sleeper	1.65	
RR. to Winterset	.76	
	1.75	
May 24. Arcade Hotel "	1.79	
RR. to Pella	.25	
Bus. Carliole to Clarkson	.22	
RR. to Des Moines	.20	
Parcel check	.35	
Telephone - Pella	.75	
Dinner - Des Moines	.84	
RR. to Howell	.60	
Supper - Des Moines	1.04	
May 25. Cab, RR. to Des Moines	1.19	.79
RR. to Ames	.79	1.45
RR. to Chelso	1.45	2.24
Dinner at Ames	.40	
RR. home	1.88	
	\$ 17.73	
	98	

✓

Gibson

May 23-1918 - Thurs.

Left Iowa City at 12<sup>30</sup> AM.  
 Slept until 5<sup>30</sup> AM.  
 Left Des Moines at 6<sup>15</sup> AM.  
 Winterset. Arrived at 8<sup>15</sup> AM.  
 & went to the Arcade Hotel.  
 On train met conductor  
 who used to go to the  
 Academy, with Senator  
 Kenyon. He lives at  
 Valley Junction. Is an O.E.S.  
 Landed at 8<sup>15</sup> AM. & went to  
 the Arcade Hotel.  
 Called on Arthur Goshorn  
 at the post office & visited with  
 him most of forenoon, & took  
 dinner with him.  
 Then he took me to the  
 Buckhorn. Woods had  
 been burned over. *Polygonum*  
*abrotanum* was very abundant.  
 Collected woods plants &  
 prairie plants on top of the



ridge. Following were  
collected:

Woods (bluff near top)

*Viburnum dentatum*

*Lonicera*

*Agrostis*

Woods (deep - lower down)

*Geranium maculatum*

*Oxalis stricta* (fr.)

*Dicentra spectabilis* - rare

*Thalictrum flavum* " "

*Arabis sp.* " "

*Urtica* " "

*Hypericum virginicum*

" *maculatum*

*Ranunculus abortivus* (?)

*Protocedrus virginica* - common

*Cystopteris fragilis* - rare

*Cystopteris marginellifolia*

*Smilax*

Prairie

*Arabis Drummondii* - bud.

*Lithospermum canescens*

*Sisyrinchium*

*Ceanothus ovatus* -

5 *Carex flexuosa* - fr.

" *stricta* - fr.

*Poa*

*Astragalus caryocarpus* 1 fl. - other fr.

*Lupinus* (?) in bud.

10 *Oxalis violacea*

*Delphinium* (bud)

*Comandra umbellata*

*Scutellaria parvula* 1.

*Erigeron annuus*

15 *Juncus integrissimus*



Took supper at Goshorn. We  
were caught in rain.  
Gave my address in the  
evening. Planned.

Met Mr. Gibson, in real  
estate business. He was  
born in Johnson Co. near the  
line (or just over in Minnesota)  
Related to secrets, etc.  
Knew Bob Graham well -  
best friend.

May 24, 1918. Friday.  
Rained.

Left at 8<sup>25</sup> AM. A freight  
wreck at Cuddebe stopped  
us and I took taxi  
across to Clarkson & took  
C&N Q. train to Des Moines.  
Found Me an Ann  
after awhile at station.  
Spent afternoon together.  
The Belgian soldier

were in Des Moines. Fine,  
good-natured fellows, with nice  
frank faces. Talked to  
one sergeant, who could  
speak Russian & Polish a  
little.

Left at 5 PM. on Wabash  
for Howell, and a taxi  
took me to Pella.

Put up at American Hotel.  
Kept by Gibson who knows  
County Residence.

Talked in High School  
auditorium. Early part was  
interrupted with a drum and  
bug band flying in room.  
Talked over an hour in consequence.  
Met Mrs. Schotte and  
learned that Bob is at  
Camp Dodge.  
Mr. Fush in the Supp.  
Met Mrs. — Joke Switzer's  
daughter.

This town is Holland, &



The hotel man says  
many are disloyal.  
90% of the people we  
said to be Dutch.

Saw Rose Hounds in  
flower, & also a low  
prairie rose, - *R. pratincola*?

Sat., May 25, 1918.

Left at 8<sup>30</sup> am.

At Fairmount we  
were blocked by  
delay of other train  
for nearly an hour.

Jackson Co., gathered prairie  
plants along the RR.

*Lithospermum canescens*

*Sisyrinchium* - 1

*Sisyrinchium canescens*

*Oxalis violacea*

*Carex* -

*Poa* -

*Achillea* - bud.

*Anemone dichotoma* - good place

*Equisetum gramineum* -

*Agrostis*!

Between Fairmount & Prairie  
City much *Phlox pilosa* in  
flower. Also *Trachypogon*  
(smooth).

At Prairie City saw *Melilotus*  
*officinalis* in flower, very  
common along right of way.

Just beyond (N.) of Prairie  
City I could see much

*Phlox pilosa*, some fine  
beds, & much *Sisyrinchium*, &

*Anemone dichotoma*,

*Lithospermum canescens*, *Conium*

This is a nice bit of  
prairie & near.

Polk Co.

Near Nobleton I saw

*Stipa*, some in flower.

Also *Scirpus ovatus* in fine  
flower.

Most of the *Phlox* is red, - very  
few white.

Also a lot of young *Prunella*  
*argophylla*.

*Euphorbia cyparissia* - 1 patch



along RR.  
*Arenaria dichotoma* in  
 lower places.  
*Antennaria*  
*Geranium* -  
*Eryngium* -  
*Oxalis violacea*  
 Right at Hobbsville all-  
 this is very good, especially  
 just as you come in.  
 Just N. of Hobbsville  
 there is much  
*Ceanothus ovatus*.  
 Also much *Tradescantia*  
 Saw young *Silphium*  
*laciniatum* & *integrifolium*  
*Oxybaphus ramosus* in bud.  
*Eryngium* aureum  
*Vitis vulpina* sp.  
*Abies balsamea* sp.  
 Rose blanda(?) etc. rather.  
 Near Altoona also  
 good prairie.  
 Walk from Hobbsville to

Altoona, - this is only 5 miles &  
 worth while.  
 Hobbsville & Altoona are in  
 Polk co.  
 Prairie City & Fairmount are  
 in Jasper co.  
 Pelham is in Marion co.

Altoona to Des Moines

*Phlox pilosa* - *patula*  
*Oxalis violacea* "  
*Sisymbrium officinale*  
*Eryngium* aureum  
*Arenaria dichotoma*  
*Lithospermum canescens*  
*Proserpinaca angustifolia* - sp.  
*Poa* -  
*Senecio* - *Pachyrrhizus*  
*Tradescantia* com.  
*Rosa* com.  
*Eryngium aureum* - com.  
 All near Altoona.  
*Ceanothus ovatus*  
*Rosa* - ?



*Eriogonum ramosum*  
*Achillea* - some infl.  
*Melilotus officinalis*  
*Prunella*  
*Equisetum hyemale*?  
*Oxalis* - yellow - large  
*Melilotus officinalis* very  
 common at East Dryden.

Reached Dryden a  
 little after 11.  
 Met Mr. & Anne &  
 went over to 2<sup>nd</sup> v.  
 Grand to International  
 Station.

Left for Ames at  
 11:30 AM.

Story Co. Left Ames at 2:10 PM.  
 Between Ames & Nevada

some prairie strips  
*Phlox pilosa* mostly white  
*Geranium*  
*Lithospermum canescens*  
 To Nevada -

Nevada to Colo. - much low.

*Zizia aurea*  
*Phlox pilosa* - many white  
*Lithospermum canescens*  
*Sisyrinchium*  
*Aquilegia canadensis* (low)  
*Poa*  
*Stipa*

Co. line W. of

Colo. to State Center - quite a bit low.

*Sisyrinchium* - white  
*Vicia* am.  
*Aquilegia canadensis*  
*Zizia aurea*  
*Poa*  
*Lithospermum*  
*Phlox pilosa* mostly white very common  
*Prunella argophylla* - low.  
*Stipa sp.*  
*Agropyron burchii* low.  
*Silphium laciniatum* juv.  
*Aedicularia canadensis* local  
*Succisa*  
*Salix humilis* low



*Lithophrum longifolium* <sup>22</sup>ratum  
*Anemone canadensis*  
*Philox* *canadensis* State Center  
*Largely* *not* *...*  
*State Center to Lamorelle* <sup>mountain</sup> *box*

Pr

Baraxana  
Bardalen

Little known - common

*Episeta arvensis*

*Sisyrinchium - white*

Philip Wilson - mostly red.

*Agropyron brachyactis* Desv.

Michael W. Smith

British Empire

*Fragaria virginiana*

*Hydroxylamine*

Bad weather

Lanville train A wrecked

packed, filed up.

Water Coots swarmed

*Artemia canadensis*

*Zigis aurea*

Ramelle to Marshalltown. - much low

Pr

Phlox pilosa - mostly red.

*Razaria virginica*

*Sisyrinchium* - wh.

*Arizone canadensis* -

*Hypoxis* —

*Equisetum arvense*

*Quadrantia superba*

Star Space  
D. Section - 74

Qualitative analysis

*Poa compressa* —

This part was much flooded,  
fields washed, bridges out, etc.

Ames, Nevada & Colo are  
in Story co.

State Center of La Morille in  
in Marshall co. also  
Le Grand.

Mountain, Zama, Long Point ✓  
Chelone in Zama ca.



much low bottom

Manhattan to Quarry

Phlox pilosa red

Lithospermum canum

Anemone canadensis

Poa compressa

Equisetum arvense

Dandelion fr

Quarry to E Grand

Poa compressa very com.

Equisetum arvense

Dandelion fr

Phlox pilosa mostly white

Lithospermum canum

Stipa sp.

Fragaria virgin

Tama

E Grand to Montom

Poa

Dandelion fr

Agropyron sp.

Fragaria virgin

Phlox pilosa - mostly white

Lithospermum canum

Equisetum arvense

Arctostaphylos - bud.

Montom to Tama

Poa

Anemone canadensis

Sisyrinchium

Senecio

Lithospermum canum

mostly low & flower

Tama to Long Point

Phlox pilosa - white com.

Anemone canadensis

Senecio

Zizia aurea

Dandelion

Long Point to Chelsea

much low bottom  
flower all

Epidendrum sp.

Anemone canadensis

Senecio

Phlox pilosa - white

Sisyrinchium - wh



Reached Chelsea about an hour late & was met by Mr. Tyler, who took me to his home.

Chelsea had had a tornado which broke trees, wrecked barns, injured houses, broke plate glass windows, blew the Catholic church spire down, and threw played havoc, yet no one was injured except a man who tried to pick up a live wire and was electrocuted.

Called on Mr. & Mrs. Mayhew, - also on the three sons who have a day school & gun. Made some notes.

In evening gave address, - 4 graduates, - girls, & only one Mohican.

Mr. Tyler took me to James

in his Ford, where we arrived at about 12 midnight.

Left at 1.05 am for Ames, arrived at 4 am, about 1 1/2 hrs. late.

Left for St. Louis at 7 am. in the C. & N.W.



To Pittsburgh Pa.  
May 29-1917

Expenses -

May 29 - RR. to Pittsburgh	\$ 18.81
Supper en route	.90
Upper 4-41 to Pittsburgh	2.20
Breakfast <sup>85</sup> Porter <sup>25</sup>	1.10
May 30 - Dinner <sup>85</sup> - Walker <sup>75</sup> Supper <sup>75</sup>	1.60
" 31 - Breakfast <sup>75</sup> , Dinner <sup>75</sup>	1.50
W. Penn Hotel room	2.50
Supper - RR. restaurant	.35
RR. to Allegheny to Englewood	15.20
Porter <sup>25</sup> , Breakfast <sup>1.25</sup>	1.50
Supper (dinner) Chicago	.75
RR. to Iowa City	5.99

\$52.40

✓

Pittsburgh, Pa. Wed. May 29, '18

Left Iowa City at 3<sup>35</sup> PM  
 (25 min. late) and reached

Englewood at about 10<sup>20</sup>

Took the Pa. to Pittsburgh.

May 30  
 was met by Mr. Knize &  
 another.

Located at Wm. Penn Hotel

We were taken in parade  
 which was a big affair.

The speaking was at the  
 Exposition Hall - holds  
 about 7000 people. Full.

Mr. Masaryk spoke, also  
 the Mayor's son and  
 Judge Buffington.

I spoke in English for about  
 20 min. Then Prof. Masaryk  
 in both, & then a  
 string of others.

In the evening I  
 attended the Slovak  
 conference when Dr. Masaryk



cleared up matters -  
Mr. Huse, Slovak editor  
(of Bohemian papers)  
who had published  
doubts about Prohemian  
got his from all sides.

May 31 - Friday  
Meeting in More Temple.  
I was elected president  
pro tem. Most of the forenoon  
in preliminaries & discussion of  
Vosha memorandum affair.

In the afternoon a large  
part of time given to  
discussions, more or less bitter  
between Perzler & Vosha's  
friends; especially Korkol.  
Kept on until nearly  
8, & pushed work to  
a close.

Took the 7:05 Train for  
Englewood.

June 1 - Sat.

(Valparaiso, Waukegan, to Hanna)  
For two stations east of  
Valparaiso, Ind. then a  
strip of prairie along RR (Penn.)  
At Valparaiso, timbered.

*Phlox pilosa* -  
*Achillea*  
*Ranunculus*  
*Erigeron (canadensis)* ✓  
*Trifolium* -  
*Poa* -  
*Madia sativa (smooth)*  
*Allium canadense*  
*(Lysichiton)*  
*Erigeron philadelphicus* (lower part)  
*Hieracium* -  
*Dodecatheon*  
*Saxifraga* (lower places)  
*Potentilla canadensis*  
*Chrysanthemum leucanthemum*  
*Opelis* - yellow bunches  
*Cornus alternifolia* on blackberry.  
*Aquilegia* - near creek



Reached Englewood at 8<sup>20</sup>  
at 8<sup>45</sup> am. left for  
Dune Park.

collected first near  
station, then on dune N.E.  
+ then on dunes toward flat.

The road to the E. on  
the dunes are mostly  
oaks at edges. (black)  
open + with many prairie  
or sand plants. Saw following -

Euphorbia fl.

Poa maritima fl.

Phlox pilosa fl.

Lithospermum humile

Dracopis viscidiflora fl.

Oenothera biennis

Achillea millefolium

Arnica montana

" racemosa

Salix humilis

Androsace (small) fl.

Erigeron virginicus

Urtica vulpina fl.

Celastrus scandens fl.  
(Carex - saw me open)  
Delicate white mustard - arabid

Opuntia - open

Chusquea

Other species - many

Went to Wickliffe on the  
electric + took car for  
6 P.M.

Saw Castilleja occidentalis  
near Gary

White + yellow Ponderosa  
were in flower.

Went from Ill. Cent. on  
6:30 to Englewood CR & P  
Station.

Took 6<sup>15</sup> PM train  
for home.



119  
 2.54  
 1.30  
 3.00 auto to Iowa City  
 16.98  
 \$ 24.01 total  
 20.00  
 4.01 balance due

Expenses to Chester 1918

Jan 7, telephone to Chester  
 Auto to West Liberty - Sidwell \$ 6.50  
 RR. to Waterloo 1.94  
 Transfer at Waterloo .25  
 Lunch " .25  
 RR. to Oelwein .88  
 RR. to Mc Intire 1.38  
 Breakfast, Oelwein .45  
 RR. Mc Intire to Le Roy .19  
 RR. to Waterloo (from Le Roy) 2.54  
 RR. to Cedar Rapids 1.30  
 Hotel Ellis - room, breakfast 1.40  
 Telephone - Cedar Rapids .30

16.98  
 \$ 17.08  
 2.50  
 \$ 19.58

6.50  
 3.88  
 .80  
 .25  
 1.16  
 2.76  
 .45  
 .38  
 \$ 15.88  
 50 - west Lib.  
 \$ 16.38



To Chester, Pa. June 7-8 1918

Left Iowa City at 8:35 AM  
via auto to West Liberty

Arrived 9:20 PM

Left for Waterloo at 9:50 PM

Arrived 1 AM

June 8

Left on C. & N. W. for Oelwein

at 4:00 AM, arrived 5 AM

Left 7:45 AM for Medford

Prairie beyond Oelwein  
shows much *Phlox pilosa*,  
*Hemiloma*, *Gagea aurea*.

Prairie Co. From ~~Fredericksburg~~ to Fredericksburg

*Equisetum arvense*

*Dandelion*

*Trachypogon* (smooth)

*Conoclinium* (broad)

*His. venicola* (wet)

*Phlox pilosa* (mostly red)

*Hemiloma*

*Anemone canadensis*

*Hepta. angustata*

(A flower unless otherwise  
stated)

*Anemone* ~~canadensis~~  
*Ranunculus macranthus* (wet)

*Silphium laciniatum* (leaves)

*Gagea aurea*

*Achillea*

*Anemone patens* fr.

*Poa patens*

" *compressa*

*Artemisia ludoviciana* (leaves)

*Saxifraga hypnoides* (low)

*Thalictrum*

*Sax. cordata* (low)

*Ranunculus acris*

*Sedum album*

*Galium boreale*

*Brassica arvensis*

*Hordeum jubatum* (in town)

Fredericksburg to Boyd

*Hordeum jubatum* (town)

*Achillea millefolium* (if) - "

*Conoclinium* (opposite)

*Trachypogon* (smooth)

*Salix cordata*

*Anemone canadensis* (leaves)



*Stipa*  
*Equisetum* - sterile  
*Artemisia ludovic.* (low)  
*Lupinus caput-medusae* (old)  
*Oenothera biennis* (4)  
*Achillea* (pale) low  
*Hemichloa*  
*Krigia* - app. sterile  
*Phlox pilosa* - mostly pale  
*Trifolium virginicum* (low)  
*Achillea*  
*Danthonia*  
*Zizia aurea*  
*Silphium* - low  
*Anemone patens* on fr

Boyd to New Hampton

*Zizia aurea*  
*Hemichloa*  
*Krigia*  
*Phlox* (pale, mostly)  
*Poa pratensis*  
*compensans*  
*Brassica arvensis*

*Stipa*  
*Poa trivialis* - fr.  
*Dodecatheon*  
*Silphium laciniatum* low  
*Ranunculus* - (low)  
*Anemone canadensis*  
*Equisetum arvense* - sterile

New Hampton to Devon

The Phlox is mixed all along here  
 but mostly pale, some, only, white.  
*Equisetum arvense* - sterile  
*Krigia*  
*Phlox pilosa*  
*Zizia aurea*  
*Silphium laciniatum* - low  
*Hemichloa*  
*Poa pratensis*

*Artemisia ludovic.* low  
*Lupinus caput-medusae* old  
*Silphium laciniatum* low  
 Much low & also some  
 weeds.



Devon to Alta Vista

Anemone patens fr. common  
 Phlox, etc.  
 Rosa - low

Aspergillum - hula - low

Howard  
 co,

Alta Vista to Elma

Convolvulus sepium low  
 Scrophularia laevigata

~~Barbarea~~  
 Dandelion - offshoots

Rumex crispus

Stipa spartea

Phlox pilosa

Poa compressa

" pratensis

Equisetum arvense

Artemisia lud. low

~~Erigeron~~ v. ~~pectinatus~~  
 (Panicum capillare) (vine)

Anemone patens fr.

Saxifraga - low

Zizia aurea

Salix cordata low

Trifolium repens - low

Rhus glabra low

Hemlock

Aspergillum fruticosa - low

Krigia  
 Linaria vulgaris yellow  
 Great flax (in Elma)

Lupinus albus "

Hordeum jubatum "

Brassica arvensis "

Elma to Acme

Melilotus alba - in town

Dandelion " "

Artemisia ludovic. low

Lupinus albus old

Trifolium repens - red. low

Stipa

(Acme woods)

Aspergillum fruticosa low

Rumex acetosella

Phlox pilosa

Salix cordata low

Zizia aurea

Linum (low)

Anemone canadensis

Asclepias syriaca low, in fruit

Much not good for fruit.



Acme to Riceville

*Brassica arvensis* - in town  
*Lithospermum canescens* (few fls)  
*Phlox pilosa*  
*Zizia aurea*  
*Redicula canadensis* fr.  
*Saxifraga* - low  
*Krigia* -  
*Iris versicolor* - low  
*Salix cordata* - low  
*Hemlock* -  
*Hyssopus* - low  
*Saxifraga* - wet  
 (Much low, wet here -)

Mitchell Co.

Riceville to McIntire

*Saxifraga* (large) in town  
 + *Aschelia* -  
*Convolvulus sepium* - low  
*Agropyron Smithii* - low  
 + *Saxifraga* - wet  
 + *Zizia aurea* -  
*Brassica arvensis*  
 + *Phlox pilosa*

as McIntire I collected these  
marked +

*Saxifraga hirsuta* - low  
*Salix cordata* - low  
*Trachymenon* - mostly  
 + *Hyssopus* -  
 + *Hemlock* -  
*Aschelia* - low  
 + *Krigia* -  
*Agropyron Smithii* - fr.  
 + *Lithospermum canescens* - few fls.  
 + *Poa compressa*  
 + " *pratensis*  
 + *Salix humilis* - low  
*Saxifraga* -  
*Poa* - bluish (?)  
 + *Equisetum arvense*  
 + *Galium boreale*  
 + *Stipa spartea*  
 + *Rhus glabra* - low  
 + *Q. macrocarpa*  
 + *Potentilla canadensis*  
 + *Ranunculus acris* -  
 + *Stellaria* (no)  
 + *Sisyrinchium*  
 + *Hordeum jubatum*



- + Carex
- + "
- + "
- + Bromus
- + Echinacea
- + Rudbeckia hirta
- + Ornithoglossum
- + Pteris aquilina
- + Geranium maculatum
- + Antennaria plantaginifolia
- + "
- + Zizia aurea
- + Scrophularia leporella
- + (Grass)
- + Thalictrum dasycarpum

These were collected S. of  
McIntire along the  
R.R. - on a prairie  
which seems to be  
rather moist.

- + Lepidium apetalum
- + Viola canadensis
- + Lathyrus vernus
- + Coreopsis palmata
- + Thalictrum dasycarpum
- + Erigeron annuus

CENTRAL AMERICAN FUNGI.

CHARLES L. SMITH.

Fooded around at McIntire  
until 2 miles after 2.  
Between McIntire & Le Roy -  
Iowa side

- Rhox folia
- Zizia aurea
- Geranium maculatum
- Hypoxis hirta
- Scrophularia
- Salix cordata

Rosa -

Aquilegia canadensis - open prairie  
Antennaria ludoviciana - low,  
Poor

"

- Solidago rigida - low
- Lespedeza capitata - old
- Hemilium -
- Lithospermum canescens
- Knautia -

Quercus petraea

Asplenium platyneuron - low

Asplenium platyneuron - low  
Desmodium illinoense



Savoyage — well  
Trappananti ~~smooth~~ Th.  
Reached Le Roy at about  
12<sup>30</sup> & found auto for me.  
Drove through very fine,  
quite flat prairie country  
9 miles to Chester.

Met Dr. L. Clark

Had dinner at Clark's & then  
spoke in street to large crowd.  
Sergeant Hawkins & Corporal  
Skinner were also on hand  
& followed with talks, Hawkins  
giving gas-mask demonstration.  
Took supper at Dr.

with the Sergeant & Corporal.  
Met a number of Bohemians,  
among them Louisa<sup>2</sup>, his  
wife who is Vac. Gray's  
daughter, & Rev. Harlik  
from (Savoyage).

A good many Bohemians live  
South West of Chester.

Met Mr. & Mrs. Christian Nelson  
& son, who travelled with me  
in 1914. They are Danes from  
Schleswig & strongly anti-Germans.  
They took Sergeant Hawkins & me  
to Le Roy, where we took  
train at 10<sup>57</sup> am. for  
Waterloo (to be for Des Moines).  
Reached Waterloo at  
3<sup>20</sup> am. & put up at the  
Ellis House.

Sun June 9, 1918.

Lgt Waterloo at 8<sup>15</sup> am. by  
Interurban, for Cedar Rapids.  
On sandy flat beyond the  
Cedar I saw: (to La Porte city)  
*Plantago aristata* fl.  
*Trifolium pratense* (smooth) fl.  
*Lactuca* - pale — in flower  
*Lithospermum gracile* " "  
*Rumex acetosella*  
*Oxalis* - yellow  
*Rosa* — low.



*Verbena angustifolia* fl.  
*Anemone canadensis* fl. (large)  
*Achillea* - new fls.  
*Erigeron ramosus* " "

Beyond Labette:  
 Co.

*Erigeron ramosus* fl.  
*Oxybaphus myosotis* fl.  
*Lepidium apetalum* fl.  
*Tradescantia* <sup>small</sup> fl.  
*Hedera peltata* fl.  
 (mostly not real prairie,  
 but open bottom land &  
 scrubby stuff.)  
 Then follow some part  
 of the way with track  
 in narrow strips between  
 river & bluffs.

*Xyris* in open prairie (sandy)  
*Equisetum hyemale* "

Brandon.

*Thalictrum dasycarpum* fl.  
*Antennaria dioica* fl.  
*Achillea* fl.  
*Erigeron ramosus* fl.

(This is just right of way -  
 not sandy)

*Lepidium apetalum* fl.  
*Rosa pratincola* fl.  
*Convolvulus sepium* fl.  
*Oxalis* <sup>medium</sup> fl.  
*Rumex acetosella* fl.

Collected plants at siding  
 beyond Brandon:

*Pentstemon grandiflorus* fl.  
*Lepidium apetalum* fl.  
*Rosa* — fl.  
*Erigeron ramosus* fl.  
*Oxalis* — fl.  
*Verbena angustifolia* fl.  
*Prunella* — fl.  
*Hedera* — fl.  
*Trapa* fl.  
*Tradescantia* fl.  
*Achillea* — fl.  
*Plantago virginica* fl.  
*Physalis perfoliata* fl.

a flat, somewhat sandy area.

See near  
 Brandon  
 prairie



Saw *Phlox maculata*  
in low wood. Fl.  
*Thalictrum dasycarpum*

Urbana -

at station: in fl.

+ <sup>Trifolium</sup> *Alfalfa* clover

+ *Poa pratensis*

+ *Hordium jubatum*

<sup>Medicago</sup>  
*Alfalfa*

+ *Rumex crispus*

+ <sup>Trifolium</sup> *Red Clover*

+ <sup>Trifolium</sup> *White Clover*

*Brassica arvensis*

<sup>Phleum</sup>  
*Zinnia*

*Rumex acetosella*

<sup>Juncus</sup>  
*Sambucus*

Linn Co +

Center Point Those marked +

above were in center of A.

also:

*Lactuca scariola* L.

*Melilotus alba* L.

*Sium albidum* L.

True distance not

in price of price

with much *Thalictrum*  
*dasycarpum* & some *Phlox*  
*maculata*  
Good woods

Lafayette -

A lot of *Rumex acetosella*  
in fields all along.

Again *Thalictrum* &  
*Phlox maculata*

Still farther: along RR

*Phlox maculata* - low

*Thalictrum* fl. rather low

*Krugia* fl.

*Eriogonum ramosum* fl.

*Actinella* fl.

*Asclepias syriaca* fl.

*Trachypogon* - small

*Robinia* - saw 1 group. {Saw in  
Shaver - saw 1 group. {Cedar slope?  
Cedar Rapids at 10:50 {small bog  
had things



Expenses  
 RR to Independence 1.78  
 " " Down City 1.78  
 3.56

29  
 1.78

June 11- Tues. 1918  
 Left at 3 PM. for  
 Cedar Rapids and Independence.  
 Reached Independence at  
 6<sup>26</sup> PM. Met Don D.  
 Donnan. He had married  
 Lucia Cole. Is now  
 again married. He  
 runs a pool-hall and  
 is the Commander of the  
 Sons of Veterans.

Mr. Ed. Raymond drove  
 me about. He is a  
 Consistory member and was  
 in my class up to the  
 18<sup>th</sup>. He finished at  
 once, - I finished later.

In the evening the  
 G. A. R. & W. R. C. came in  
 a small audience.

Discussed:

Possibilities of service  
 Influence on boys  
 " " ourselves.



What we can do:

Not gossip

Give moral support

Help financially

Inform ourselves

We need it

Our schools have failed

Declaration of Independence

We held wrong ideals before

our young people;

Selfish

Now reverse

We need information

Teach all about Germany

From our standpoint

Learn to know countries of

Europe.

We have had wrong teaching

German & Germanism

Fred. the Great

Misnarch

Kaiser

Why not Schurz & Siegel

We belittled our own

German schools

" universities

(Ohoboji Kaiser incident)

Lampson not objective

What it conveys

My patriotism

Father's inspiration

Living - our flag - not

for selfish interests

June 12, 1918

Donner, to Iron City (on  
return)

Oxyphlos myosurus fl.

Arctostaphylos fl.

Onoclea (large fl.)

Trifolium (small) fl.

Thalictrum dasycarpum fl.

Stella media - fl.

Erigeron annuus fl.

Phlox maculata (low) fl.

Hesperis - fl.



Rumex brittanica (low gr.) fl  
" altissimus fl  
Poa pratensis fl  
Arenaria canescens fl  
Branica (opening)  
Koeleria cristata fine fl.  
Hordeum jubatum fl  
Rosa pratincola fl  
Helianthus scabra fl. (few)  
Zizia aurea fl. for  
Baptisia - smooth - fl



# Okolopi account - 1918

June 14 - Taxi - Her. Iowa City \$ .75  
 RR. to Cedar Rapids .86  
 Paid J. T. Rice \$ 21.00  
 RR. to W. Okolopi (no tax) 6.81  
 June 15 Diner - 2 meals - breakfast 1.70  
 Steamer round ticket 6.00  
 Bus to boat - Steamboat ticket 6.50  
 Anderson Dinner 2.00  
 June 15 - Miller's Hotel: <sup>Crowley</sup> <sup>Miss. C. & M.S.</sup> 2.00  
 " 16 -  
 " 17 - Paint - Mays 3.50  
 Screws + hooks, <sup>15</sup> screen <sup>50</sup> <sup>Man Smith</sup> 65  
 Gray Anders Park - Boat freight <sup>50</sup> 1.00  
 " 18  
 " 19  
 " 20  
 " 25 - Rake, Milford - 1.25  
 " 22 - Brushes <sup>7</sup> (Crunch at Arts) 2.00  
 " 29 - Pliers <sup>1.15</sup> <sup>gunner</sup> 2.00  
<sup>Christianson</sup> <sup>2.5</sup> <sup>2 spark plugs</sup> 3.15  
<sup>Muslin</sup> <sup>magazines</sup> 3.00  
<sup>McLennan</sup> <sup>15</sup> <sup>glue</sup> (all at Spirit Store) 1.30

July 3 - RR. to Iowa City \$ 8.31  
 Supper en route .60

.75  
 .86  
 6.81  
 1.70  
 6.50  
 6.50  
 2.00  
 8.31  
 .60

\$ 39.53



To Okoboji June 14, 1918  
Left Iowa City at 9<sup>45</sup> P.M. for  
West Okoboji, with Kim C.

June 15, 1918

Reached W. Okoboji after  
8 am. & at once took the  
Sionx City for the Laboratory.  
Found Crouch & Anderson  
on hand. They came yesterday.

We pitched in, opened up  
and cleaned the cottage,  
dormitory, & boys set up  
dining tent & day clear & windy.  
We took dinner at the old  
Waller's Hotel, now a boarding  
house for the State laborers.  
Patched up supper, - potatoes  
and eggs, - stove failed to  
work.

Miss Douglas and Miss Fillman  
came in afternoon, and Miss  
Christensen came in the evening, by  
launch.

Mosquitoes very plentiful.



June 16, 1918. Saturday.  
Arose at 8 am. and spent the day in clearing up.

Stove was cleaned early, and worked better. We had breakfast at 11 am, and dinner at 6 pm.

Towards evening Dr. Steffen, Miss Walker, and Mr. Abel came.

Day rainy a little in the morning, later windy and mostly clear, and the lake rather rough.

June 17, 1918. Monday  
Arose at 6<sup>30</sup>. Day hazy <sup>rather</sup> but clear.

Registered students, at 11 am. I discussed map with students.

Miss Ensign came in a little afternoon, by launch from Arnold's Park.

After dinner I went to Arnold's Park by the Sioux City and found only my plant press at the Express office.

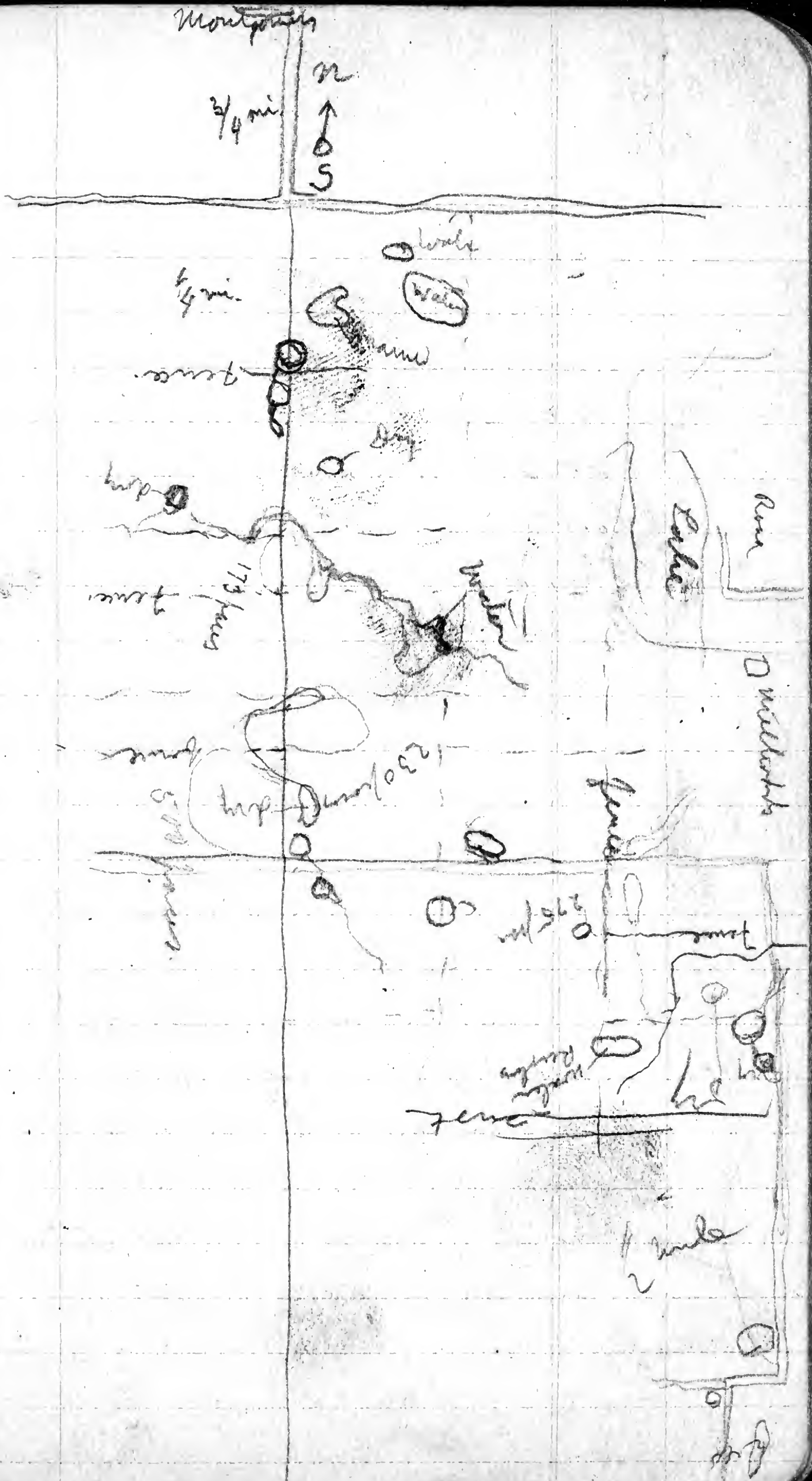
Returned after 6 pm. Latter part of day cloudy and wind from the East practically all day.



June 18, 1918 - Tues.

Spent forenoon with Ecologists.  
& Taxonomists.  
Discussed subject in general,  
using Bulletin.

In afternoon left them to  
 compare prairie forest  
 lists of plants in Bulletin.  
 Went to Arnolds Park.  
 Found my boxes of seedlings  
 express, had them loaded,  
 and I went to head of  
 lake, walked from  
 West Oshkosh to Montgomery.  
 Worked up prairie N. of station  
 at W. Oshkosh, & then  
 along RR to Montgomery.  
 Found prices same or  
 even higher & walked  
 back. Went  $\frac{3}{4}$  mi. S. &  
 then by private road 1 mi.  
 farther south, along  
 section line. Then  
 east, then diagonally  
 S. E. to main road





Stopped at the Black  
Tern Littlehole,  $1\frac{1}{2}$  mi.  
N. of Lab., & collected  
plants. Found few  
*Eriophorum*.

Walked back to Lab.  
The littlehole nearly  
all drained, &  
prairie all plowed.

Even strips along  
road will disappear  
as the main N. & S.  
road is to be widened  
and improved.

I was lucky to get  
these earlier plants  
years back, as the  
country is changing  
very much.

June 19, 1918 - Wed.

Went out with Ecologists  
to East ridge (prairie) forming  
tongue just So. of Lab.

Since 1911 (when photo was  
taken) *Rhus glabra* as  
encroached on prairie.

Then worked prairie ridge  
just west of above one, &  
checked lists (see next  
two pages)

We then returned to  
Lab. & I showed one of them on  
*Aquilegia canadensis* &

*Polygonatum commutatum*

In the afternoon we went for  
mail & walked whole  
length of prairie to south  
of mail box. I collected  
plants - prairie.

Very calm day. Lake  
fine.



E. - Ridge S. of Lake

- + Solidago rigida - lf.
- + Poa pratensis - fr.
- + Carex festuacea - fr.
- + Petalostemum candidum - lnd.
- + Verbena stricta - fl. + lnd.
- Panicum virgatum - lf.
- + Lepidium apetalum - fr. + fl.
- Asclepias syriaca - lf.
- + Ambrosia artemisiifolia - lf.
- + 10 Physalis pringlei - fl.
- + Phlox pratensis - fl. introd.
- Delphinium bicolor - lnd.
- + Aster multiflorus v. exiguus - lf.
- + Artemisia ludoviciana - lf.
- + Poa compressa - fr.
- Helopsis scabra - fl.
- Lathyrus venosus - lf.
- + Rosa pratincola - fl.
- + Panicum Scribnerianum - fr.
- + 20 Anemone canescens - lnd.
- + Petalostemum purpureum - lf.
- + Solidago canadensis - lf.
- + Vitis vulpina - lf.

- Zinnia - fl. introd.
- Potentilla <sup>novaya</sup> fl.
- Trifolium pratense - fl. (introd.)
- + Oxalis stricta - lf. + fl.
- + Andropogon furcatus - lf.
- + Phlox speciosa - fr.
- 30 Lithospermum canescens - fl.
- Acerates viridiflora - lnd.

West ridge (addition) see + above.

- Astragalus canadensis - lf.
- Rhus toxicodendron - lf.
- Monarda mollis - lf.
- Agropyron Smithii - lf. + fl.
- Andropogon scoparius - lf.
- Potentilla arguta - lnd.
- Astragalus canescens - fr.
- Physalis peruviana - fl.
- Lepachys pinnata - lf.
- Anemone cylindrica - fl.
- Erigeron ramosus - fl.
- Antennaria - neotica - lf.
- Oenothera occidentalis - fl.
- Symphoricarpos occidentalis - fl.



June 20, 1918 - Thurs.

Spent forenoon with Taxonomists  
in Lab. In afternoon went out  
to <sup>Lowland</sup> ~~Lowland~~ - Prairie.

- + Lathyrus venosus fl.
- + Philox pilosa fl.
- + Phlox pilosa fl. (inter.)
- + Rosa pratincola fl.
- 5 Vicia americana fl.
- Hordeum jubatum fl.
- + Carex potamocharis fr.
- + Amaranthus canescens lf, bud.
- + Lithospermum canescens fl.
- + 10 Coreopsis palmata lf, bud.
- + Astragalus caryocarpus fr.
- + Oenothera serrulata fl.
- + Solidago rigida lf.
- + Thalictrum dasycarpum fl.
- + Silphium laciniatum lf.
- + Koeleria cristata fl.
- + Misp. sp. fr.
- Petalostemum candidum bud.
- + Aster sericeus lf.
- + 20. Antennaria dioica lf.
- Galium boreale fl.
- + Eriogonum cicutifolium fl.
- + Anemone cylindrica - fl.

- + 24. Helianthus scaberrimus lf.
- + Fragaria virginiana lf.
- + Acerites undiflorum lf. bud.
- " " v. lanceata lf.
- + Aster multiflorus v. exiguus lf.
- Steironema ciliata - lf. (bud)
- + 30. Panicum Scribnerianum fr.
- Veronica virginiana lf.
- + Petalostemum purpureum lf.
- + Linaria scarioria lf.
- + Psoralea esculenta fl.
- + Kuhnia eupatorioides lf.
- + Eryngium yuccifolium lf.
- + Oxalis stricta fl.
- + Anemone patens v. Wolffgarrig lf.
- Trifolium repens! fl. (inter.)
- + 40. Andropogon scoparius lf.
- Trifolium pratense! fl. (inter.)
- + Solidago speciosa v. angustata lf.
- + Comandra umbellata lf.
- + Poa compressa fr.
- + Aster laevis lf.
- + Prunella angustifolia bud.
- 47. Oxytropis pubescens - fl.



48. *Lepidium abetum* fr. & fl.  
+ *Sisyrinchium campylo-* fr.

50 *Cirsium canescens* - lf.  
*Castilleja tenuiflora* fl. (i. fl.)

+ *Oxybaphus occidentalis* fl.

+ *Helianthus grosseserratus* lf.

54. *Agropyron tenerum* fl.

2nd Lookout - fr + see preceding list.

*Lespedeza capitata* lf.

*Ceanothus americanus* - lf.

*Oxytropis Lambertii* fl.

*Artemisia ludoviciana* lf.

*Helianthus scabra* bud.

*Psoralea argophylla* bud.

*Cirsium discolor* lf.

*Aster multiflorus* bud.

Came back & worked on  
plants.

June 21, 1918 - Fri.  
Rained in morning. Spent  
forenoon in general discussion,  
particularly of Bulletin.  
Quite windy.



Saturday - June 22, 1918

went by row boat to bar oak grove  
E. of Canal with Miss Gordon & Miss Feltman

Bit of prairie in bar oak  
woods E. of Canal

- ✓ + *Lithospermum canescens* fr. fl.
- ✓ + *Fragaria virginiana* fr.
- ✓ + *Salix canadensis* lf.
- ✓ + *Andropogon furcatus* lf.
- ✓ + *Koeleria cristata* fl.
- ✓ + *Lepachys pinnata* lf.
- ✓ + *Ambrosia artemisiifolia*
- ✓ + *Thalictrum dasycarpum* fl.
- ✓ + *Astragalus canadensis* lf.
- ✓ + *Galium boreale* fl.
- ✓ + *Potentilla canadensis* lf.
- ✓ *Rosa blanda* lf.
- ✓ + *Monarda mollis* lf.
- ✓ + *Rhus typhina* lf.
- ✓ + *Helianthus scaberrimus* lf.
- ✓ *Phlox pilosa* fl.
- ✓ + *Aster serrata* lf.
- ✓ + " *laevis* lf.
- ✓ + *Antennaria canadensis* lf.
- ✓ + *Alnus stellata* lf.
- ✓ + *Parthenium canadense* fl.
- ✓ + 22 *Silene stellata* lf.

- + 23 *Vicia americana*
- ✓ + *Phlox pilosa*
- ✓ + *Rhus occidentalis* fr.
- ✓ + *Erigeron philadelphicus* fl.
- ✓ *Comandra umbellata* lf.
- ✓ + *Lathyrus vernus* lf.
- ✓ + *Anemone cylindrica* lf.
- ✓ 30 *Ambrosia psilostachya* lf.
- ✓ + *Poa pratensis* fr.
- ✓ + *Panicum Scribnerianum* fl.
- ✓ + *Cirsium discolor* lf.
- ✓ *Potamogeton amplifolius* fl.
- ✓ *Helianthus grosseserratus* lf.
- ✓ + *Aster multiflorus* lf.
- ✓ + *Anemone canadensis* lf.
- ✓ 4 *Ceanothus americanus* lf.
- ✓ + *Aster ruber* lf.
- + 40 *Carex festucacea* fr.
- ✓ *Veronica fasciculata* lf.
- ✓ *Aster laevis* lf.
- ✓ + *Zizia aurea* fr.
- ✓ + *Thapsia americana* fl.
- ✓ + *Anemone canadensis* fl.
- ✓ + 46 *Symphoricarpos occidentalis* lf.



Further east

✓ 47. *Diaphium Pennellii*

✓ *Caryocarpus*

+ *Hellianthemum*

Further south of first

✓ *Apocynum* (anous. pind?) lf

✓ *Verbena stricta* lf

✓ *Asclepias syriaca* lf

✓ *Trifolium repens* fl

✓ *Helianthemum virginicum*

✓ *Artemisia dracunculoides* lf

✓ *Andropogon scoparius* lf

✓ *Tridax dactyloides* fl

✓ *Yucca filamentosa* lf

✓ *Solidago rigida* lf

✓ *Ranunculus abortivus*

✓ *Vicia pedunculata* lf

✓ *Sisyrinchium campetris* fl

✓ *Lactuca ludoviciana*

✓ *Rosa pratincola* lf

✓ *Vicia cracca* lf

✓ *Potamogeton amplifolius* lf

✓ *Plantago Rugelii* lf

✓ *Rhus glabra* fl

✓ *Asperula tomentosa* lf

Returned at 11 & went to Lookout with Miss Walker.

In the afternoon went north to Mackinac Lake (or Kettlehole) with Miss Ensign & Anderson. Collected some

prairie plants. at

Mackinac Kettlehole found

*Cypripedium candidum* in

fruit! Found a *Lilium philadelphicum*

Moderately windy - S.W.

June 23, 1918 - Sunday

Awoke after 8 am.

Had service at 10<sup>30</sup> am.

Hymn

Reading of Scripture Ecclesiastes - 7 - (1-10)

Hymn.

I talked on value of sorrow & tragedy.

America.

Spent day in figuring board &

arranging & cleaning.

Quite windy. Rained some.



June 24, 1918, Mon.

In the morning the Ecology class went to the Lookout. We studied the map in detail and considered the distribution of forest, prairie and butteholes.

It threatened rain more or less.

In the afternoon we went to the bare hills north of Miller's May and studied the remnant of the prairie flora. All the plants were little stunted stragglers among the *Poa compressa* now wholly dominant. Most were young plants.

The following is list:

Went to prairie near N. of Miller's May.

Found on prairie:-

- Oenothera occidentalis* fl.
- juv. *Verbena stricta* lf.
- juv. *Pycnanthemum flexuosum* lf.
- Trifolium repens* - fl.
- juv. *Morinda mollis* - lf.
- Symphoricarpos occidentalis* - fl.
- juv. *Ambrosia artemisiifolia* lf.
- Poa compressa* - lf. - very common.
- Equisetum arvense* - 1 sterile.
- juv. *Petalostemum candidum* lf. 1-
- Antennaria canadensis* - lf.
- Equisetum variegatum* - sterile
- Phlox pilularis* - fl.
- juv. *Silene stellata* leaf - 1
- juv. *Cirsium canescens* - lf.
- Jasione corymbosa* lf.
- Lepidium apetalum* fl. & fr.
- juv. *Agropyron smithii* - lf.
- Silene antirrhina* fl.
- juv. *Ruta multiflora* var. lf.
- Euphorbia <sup>Preslii</sup> scyphophylla* fl.



- 22 *Anemone patens* var. *fl.*  
*Hedera cristata* *fl.*  
*Oxalis stricta* *fl.*  
*Solidago rigida* *fl.*  
*Aster sericeus* *fl.*  
*Potentilla arguta* *fl.*  
*Aster oblongifolius* *fl.*  
*Oenothera biennis* *fl.*  
30 *Lithospermum canescens* *fr.*  
*Actalostemum purpureum* *fl.*  
*Rosa pratincola* *fl.*  
*Antennaria racemulata* *fl.*  
*Oenothera serrulata* *fl.*  
*Brunneria angustifolia* *fl.*  
*Prunella esculenta* *fl.*  
*Anemone cylindrica* *fl.*  
*Fragaria virginiana* *fl.*  
*Erigeron annuus* *fl.*  
*Parula argophylla* *fl.*  
*Amorpha canescens* *fl.*  
*Lysichiton variegatus* *fl.*  
*Festuca ovina* *fr.*  
*Linum sulcatum* *fl.*  
*Arabis drummondii* *fl.*

- Heuchera hispida* *fl.*  
*Poa triflora* ? (fine) *fl.*  
*Acer rubrum* *fr.*  
*Alnus incana* *fl.*  
*Bonteloma hispida* *fl.*  
*Carex* *fr.*

It was stormy towards evening, and in the evening a heavy storm broke.

Cronch and Schumacher had taken a row boat to Arnold's Park and could not return. (called me up from Manhattan at 1 a.m.)



June 25, 1918 Tues.

Taxonomists worked in  
forenoon with legumes, <sup>Ranunculaceae</sup> etc.

In the afternoon  
Composites and other forms  
were taken.

The whole day was  
spent in indoor work  
on material secured nearby.

It was very wet in the  
morning and the day  
was more or less blustering.

We put in a lot of  
good time on identification,  
and I discussed some  
details of structure of flowers, etc.

This is my birth day.

June 26, 1918 - Wed.

The special work of the  
Ecologists was done without  
much help from me except  
that I went to Eden Crest  
woods and to Gull Point  
with Anderson. Looked at  
trees.

Found fairy rings in  
same old place. Grass was  
darker green around ring.

Both *Lepiota kaganii* and  
*Hygrophorus*  
the puff-balls formed  
each a ring. Rings  
were poor. Two imperfect

puffball rings were found  
at Gull Pt. found just two  
flowers on *Pentstemon grandiflorus*,  
all others in fruit.

Collected lichens on birch and  
green ash.

In evening went to stamp meeting  
at Wilford, Wallace of Co. Bluffs &  
Capt Allen of Mil. Arm spoke. Too  
much business. Went with Livingston



June 27, 1918 - Thurs.

Worked indoors on taxonomic materials.

In the afternoon went to mail box and collected a few plants from bog north of mail box and a larger number from the prairie on the north side of road going west from mail box.

We returned rather early and worked at milworts, etc.

(see plants collected.)

Worked in the garden in the evening. Weeded, planted five rows of radishes and thinned out and hoed the corn.

June 28, 1918 - Fri.

Rained in morning. <sup>Washed</sup> indoors in forenoon. <sup>Discussed prairie + forest factors.</sup>

At noon went to Spring & collected shells & minerals. *Bipidaria corticaria* was quite abundant, and I secured a few other species (see list.)

Three species of slime molds were collected on partly fallen red-bell trunk.

In afternoon went to Elm crest woods with Erolia. Collected lichen and wood species. Found *Carex crux-cori* in small bog just west of Elm Crest.

The following plants were observed in the deeper woods opposite the Cove (Elm crest woods):



*Quercus macrocarpa* - lf.  
*Fraxinus penn. v. lanceolata* fr.  
*Ostrya virginica* lf.  
*Ulmus americana* - lf.  
*Crataegus mollis* - fr.  
*Juniperus virginiana* - lf.  
*Prunella virginica* lf.  
*Vitis vulpina* lf.  
*Prunus virginiana* lf. fr.  
*Lonicera scutellaria* fr.  
*Zanthoxylum americanum* lf.  
*Desmodium grandiflorum* fl. & fr.  
*Asplenium striatum* - bud.  
*Ampelocera monica* lf.  
*Rhus toxicodendron* - lf.  
*Taxodium integrum* lf. fr.  
*Erigeron laevis* fr.  
*Ribes gracile* - fr.  
*Symphoricarpos occidentalis* lf.  
*Polypodium communis* fr.  
*Silene stellata* - lf.  
*Rubus occidentalis* fr.  
*Elymus striatus* fl.

*Vitis <sup>serotina</sup> cucullata* lf. (hairy)  
*Anemone virginiana* fl.  
*Arisaema triphyllum* lf.  
*Cornus paniculata* lf.  
*Sorbus marilandica* fl.  
*Thalictrum aureum* fl. & fr.  
*Rhus glabra* - lf.  
*Asplenium androsaceifolium* lf.  
*Smilacina stellata* lf.  
*Carex graminea* fr.  
*Solidago canadensis* lf.  
*Oenothera longistylis* fr.  
*Smilax herbacea* lf.  
*Ulmus fulva* lf.  
*Carya <sup>coccifera</sup> glandulosa* lf.  
~~*Fraxinus nigra* lf.~~  
*Carex latifolia* fr.  
*Hydrophyllum virginicum* fr.  
*Urtica americana* lf. bud.  
*Aster coccifolius* lf.  
*Pharosia leptostachya* lf.  
*Impatiens fulva* lf.  
*Actaea rubra* fr.  
*Cryptotaenia canadensis* fl.



*Trigonotis virginiana* fl. 4  
*Papaver* <sup>fl.</sup> ~~fl.~~ <sup>fl.</sup> 7  
*Erigeron philadelphicus* fl.  
*Geranium canadense* fl.  
*Gabrielia spargan* fl.  
*Agastache scrophulariifolia* fl.  
*Carex rosea* fl. fr.  
*Lactuca scariola* fl. 1  
*Prostrata* fr. (fr.)  
*Smilax scindata* fl.  
*Allium tricoccum* fl.  
*Callistemon canadensis* fl.  
*Lilium perfoliatum* fl. 1  
*Prunus americana* fl.  
*Lupinus* (tr.) fl.  
*Lupinus canadensis* fl.  
*Urtica catenaria* fl. 3  
*Viola pubescens* fr.

Returned and cared  
 for the materials collected.  
 Miss Fillman remained at  
 downtown all day.

June 29, 1918, Sat.  
 Arose early, hoping to get  
 to head of lake with Ella.  
 Launch was without a  
 spark plug and we did  
 not get out.  
 Rained again last night  
 and the morning is cloudy and  
 threatening more rain.  
 The lake is quite calm, but  
 breeze is coming up.  
 Left on Sioux City at about  
 9 am. & waited at  
 Arnold's Park 2 1/2 hrs., -  
 until 12:05

Collected rusted leaves of  
*Crataegus mollis* & C., -  
 showing spermatophylls.

An old fellow (who had  
 "lived here 30 yrs.")  
 scoffed at the idea of  
 them being same as  
 an apple.

Collected shells under



leaves, log & bark  
in woods S. of road, &  
S.E. of Church at  
Amelia Park. Also  
a Disc.

Took train for Spirit  
Lakes & stopped at  
latter place.

It rained (drizzled)  
most of the afternoon.

Went to west of depot  
on RR. to wagon road &  
collected prairie plants.

Left at 6:07 PM for  
head of lake.

Returned to Lab. by  
the Des Moines.

June 30, 1918 Sunday.

Spent most of forenoon in  
drawing was made of  
Europe.

At 2<sup>30</sup> I talked on the  
subject, "Why did Europe  
go to war?"

Several farmers came  
in: Livingston's, Kasher's, &  
Nelson's. Nelson was one  
of Loomis' students (graduate)  
Later in the afternoon  
I packed a few *Prifidaria*  
*carticaria*, etc. in clay at  
the Spring.

Rained the night before  
and roads were bad in  
places.



July 1, 1918 - Monday  
Ceph Livingston took  
us to the Little River.  
Dr. Stephens, Miss Cavanaugh  
and Ensign, & Miss. Culver,  
Abel, & myself went.

We started at the hillside  
bog in the NW corner  
of sec. 4-28-37 &  
walked the creek valley,  
picking up snails  
under sticks & lichens  
on trees.

Then dived in the  
hillside bog & collected  
Pisidium, etc.

Then went down the  
river (on S. side) to  
wooded bluff. Picked  
snails & plants.

Up on bluff there are  
Asteriscus & defensa less  
than 6 ft. high &  
bearing acorns.

There is up here also a  
nice lot of prairie.  
Then walked to bridge  
& found fungi on Q,  
macrocarpa bog & also  
a plasmodium.  
Livingston called for us  
and we drove home early,  
about 7.

In the morning found it  
necessary to get after Ikeleniden  
& Crouche for late hours &  
disturbance of camp.



July 2, 1918, Tues.

A hot, sultry day.

Spent all of it indoors  
with the Taxonomists.

Worked Umbelliferae

+ Cruciferae

Made wood in the

evening.

Sorted materials and

packed some.

July 3, 1918 - Wed.

Spent part of forenoon  
in disarming apparatus with  
Berlozits.

Packed and wrote letters.

In the afternoon Mr.  
Shelmidine, Sr. took me  
to Spirit Lake by auto.

Left Spirit Lake for  
Iowa City at 4:30 PM, - via  
West Liberty.

A tedious trip, with  
some discomfort due to  
crowding, & to heat, -  
or dust and wind if  
windows open.



June 20/1919 - Left at 2:47 PM  
for Cleveland

Taxi - town city	\$ .25
RR. to Cleveland	18.76
Supper - dinner	1.00
Sleeper	1.73 + 25
Breakfast - next.	.25
Dinner	.45
RR. to South Bend	10.04 + 25
RR. Sp. to Sun Park	1.62
RR. to Sun Park	.26
RR. to Sun Park	.64
RR. to Sun Park	.46

June 21 - Met in National Hall  
on Broadway. Slovaks only  
party represented. For list  
see proceedings.

Had ugly reaction with  
Slovaks - over ship matter.  
Evidently many are interested  
in the company which ships  
at 18 ct per lb.  
Broke up in rather loose  
fashion.

June 22 - Visited with Bertha  
Paul & Harold. In afternoon  
the Scotts (Dr. & Mrs. &  
Josephine) came over, & in  
evening Dr. took me down  
to depot in auto.  
Left at 10:15 (11:15 P.M. time).  
Reached South Bend, Ind. at  
5 AM. & left at 7:17  
for Sun Park.

From Sun Park to Sun Park  
along RR.

*Euphorbia corollata* fl.  
*Lithospermum purpureum* fl.  
*Equisetum arvense* sterile.  
*Poa pratensis* also  
" *complanata* fr.  
*Salix humilis* fl.  
*Trisetum repens* fl. 2 white  
*Corylus americana* - fl. (new woods)  
Rice — fl.  
*Luzula racemosa* fl.  
*Lepidosiphon pinnatifidus* fr.  
*Vitis vulpina* fl.



- Thalictrum dasycarpum* fl.  
*Achillea millefolium* fl.  
15 *Aquilegia* fl. *black* *leaf*  
*Thalictrum aquilegifolium* fl. *near* *woods*  
*Hesperis matronalis* fl.  
*Chrysanthemum leucanthemum* fl.  
*Rudbeckia hirta* fl.  
20 *Phlox pilosa* fl.  
*Helianthus scaberrimus* fl.  
*Rubrum digitatum*? fl.  
*Rumex crispus* fl.  
*Polygonum (small)* fl.  
25 *Asclepias tuberosa* fl.  
*Aquilegia* fl.  
*Oxybaphus rugosus* fl.  
*Asclepias <sup>argyræa</sup> striata* fl.  
*Rhus glabra* fl.  
30 *Verbena officinalis* fl.  
*Melilotus alba* fl.  
*Trifolium hybridum* fl.  
*Trifolium pratense* fl.  
*Stipa spartea* fl. *old*  
35 *Lupinus vulgaris* fl.  
*Rumex crispus*

- |    |                              |     |
|----|------------------------------|-----|
|    | <i>Hordeum jubatum</i>       | Fr. |
|    | <i>Trifolium rubens</i>      | Fl. |
|    | White Clover                 | Fr. |
|    | Brown Tectorum               | Fl. |
| 40 | <i>Thymus arvensis</i>       | Fl. |
|    | <i>Potentilla anserina</i>   | Fl. |
|    | <i>Eryngium yuccifolium</i>  | Fr. |
|    | <i>Melilotus officinalis</i> | Fl. |
|    | Aster (smooth)               | Fr. |
| 45 | <i>Solidago stricta</i>      | Fl. |
|    | <i>Lilium philadelphicum</i> | Fr. |

Reached Sunc Park at 5<sup>15</sup> &  
worked near station, then  
on flat towards other side towards  
lake, & back to station.

Some of the plants were collected

Small Green Ground

- Bromus pectorum* Br. + *Cirsium palustre* L.  
scattered common  
*Rudbeckia hirta* L. + *Thalictrum flavum* L.  
*Arabis* scattered  
+ *Cornus montana* DC. clump fl.  
*Asclepias syriaca* L. base  
" *ovifolia* fl.



June 29, 1918

✓ 3.25 Isabelle Walker  
 ✓ 15 D. Everett Shelmidine  
 ✓ 15 G. B. Fillman  
 ✓ 5 J. B. " "  
 ✓ 5 Evelyn Ensign  
 ✓ 25 Waldo Anderson  
 ✓ 5.00 Isabelle Walker  
 \$ 73.25

Blue & Magazines at McGraw Pharmacy  
 Rliers at Curtis & Lee's Hardware  
 Spark plugs from Spirit Lake  
 Motor Co.  
 Muslin at Christensen Bros.

Salix lucida lf common	Hordeum jubatum fl scattered
Erigeron ramosus fl few	Lobelia spicata fl scattered
Apocynum (pink) fl few	Lilium philadelph fl scattered
Chrysanthemum leucanth fl com. some white	Anemone sp. fl few
Rhus glabra fl few	Prenanthes pinnata fl Vaccinium (black) clump fl
Polygonatum biflorum fl patches	antennaria? " fl
Agropyron Smithii fl scattered	Opuntia Rafinesc fl
Oxycoccus sp. fl few	Osmunda cinnam fl
Melilotus officinalis fl	5. 6 not

+ Prunella - fl few	Lower ground
+ Anemone stellata fl scattered	few
+ Sium canadense fl scattered	com.
+ Helleborus - fl patches	com.
Comandra umbellata fl scattered	few
+ Euphorbia corollata fl scattered	patches
+ Carex festuacea fl clumps	one or two fl
Eragrostis pectinacea fl patches	patches
+ Lycopodium obscurum fl scattered	common
+ Polypodium virginicum fl scattered	Trilochium - fl
+ Xanthoxylum fl patches	Juncus -
+ Rubus canadensis fl patches	Cyperus -

also following:

Anemone - fl few	Juncus - com.
Bromus - fl clump	Aspidium - fl
Salix - fl com.	Iris - fl
Salix - fl com.	Trifolium - fl
Fragaria - fl few	(etc. see spec.)
Castilleja - fl clump	
Polygonum - fl scattered	
Galium - fl few	
Viola - fl few	




707 <sup>see</sup> Lower Bed  
Mich ave + Madison st  
(Irish excavation)

Winter 20

$$\begin{array}{r} 25 \\ 2061 \\ 1065 \\ 76 \\ \hline 76 \end{array}$$

643



25	25
2.61	2.61
1.65	1.65
1.03	1.35
1.04	1.04
<u>6.58</u>	<u>1.04</u>
	7.74



